

Metallomics and skin cancer

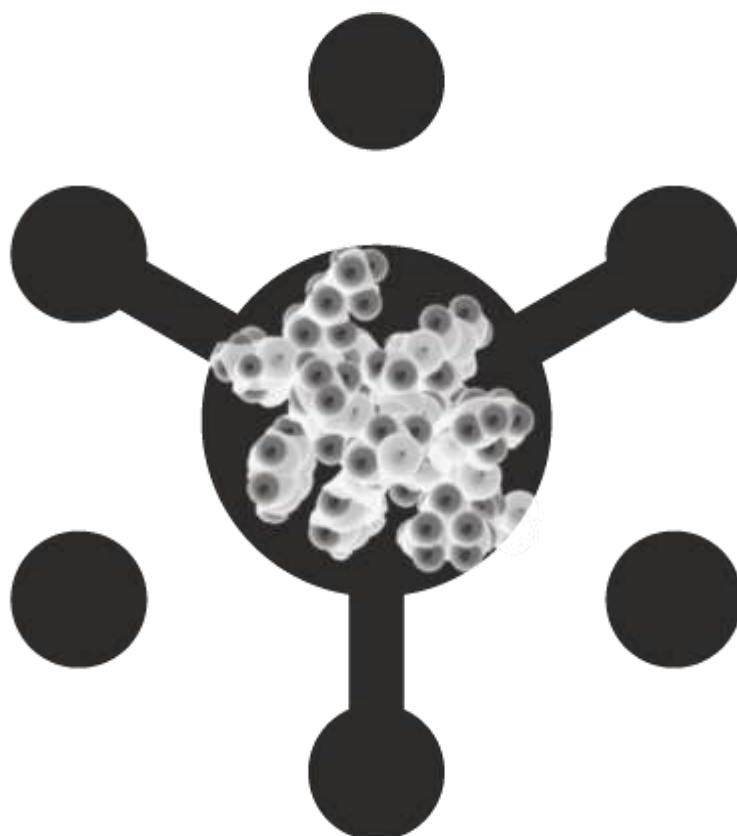
1.7 – 3. 7. 2015, Debrecen, Hungary



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Introduction

Dear Colleagues,

Metallomics Technology Conference is an international forum for scientific discussion focused on understanding the relationship and connections between metals and their binding species inducing amino acids, peptides, proteins and nucleic acids.

The aim of this multidisciplinary conference is to bridge the gaps between the specialists and fields of science as diverse as inorganic chemists, biochemists and clinicians.

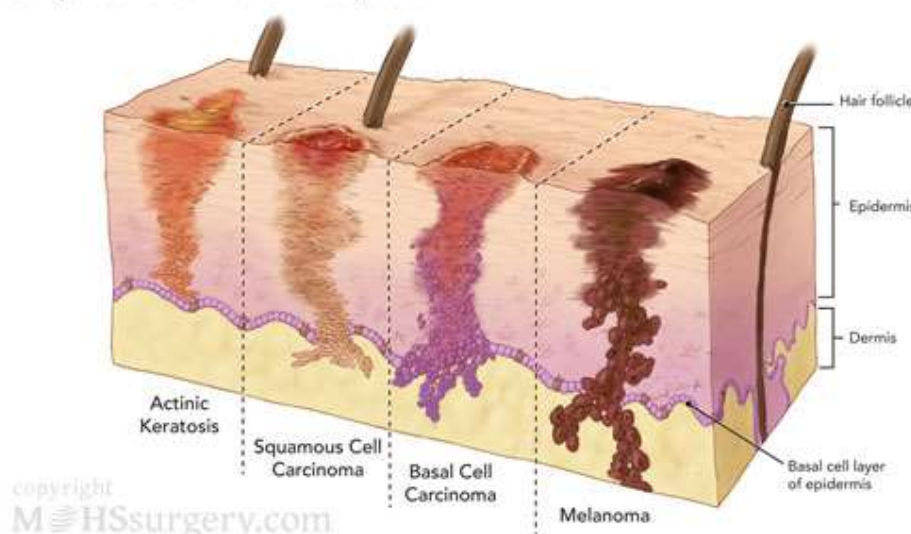
There is a need for sensitive and reliable analytical methods which would help us to determine what bioactive metal-binding compounds are found in an organism, as well as for trace analysis methods in complex biological matrices to follow the bioactive compounds and their metabolites in the human body. Moreover, we need to understand how disorders and illnesses can influence these.

It is evident that enormous progress has been made in metallomics over the last decade. Recent challenges for scientists in this field are to develop analytical technologies that would allow us to understand our personal metabolism, in connection with specific biomarkers, with the overall aim to personalize medicine as generalized recommendations and to discover how to influence metal metabolism for treatment of civilization diseases.

We are looking forward to meeting you in Debrecen.

Vojtěch Adam

Comparison of Common Skin Neoplasms



CONFERENCE PROGRAMME

Place: 4032 Debrecen, Egyetem tér 1, Debrecen

Date: 1. - 3. 7. 2015

Content: Immunohistochemistry workshop



Wednesday 1. 7.

18:00 – arrival to Debrecen

19:45 – Meeting at the hotel

20:00 – Welcome dinner

Thursday 2. 7.

Morning session

10:00 – meeting at the University of Debrecen

10:15 – 10:30 – Introductory words – Gabriela Emri

10:30 – 11:00 – Metallothionein and skin cancer – Vojtech Adam

11:00 – 11:30 – Electrophoresis in metallomics - Marta Kepinska

11:30 – 12:00 – Electrochemistry of metallomics - Ján Labuda

12:00 – 13:00 – Lunch

Afternoon session

13:00 – 14:00 – Gabriella Emri – clinical characteristics and treatment of skin cancers, UV and photocarcinogenesis, project ideas

14:00 – 14:15 – Emese Gellén – photodynamic therapy in the management of skin cancers

14:15 – 14:30 - Gábor Boros – in vitro synthesized mRNA encoding CPD photolyase

14:30 – 15:00 Coffee break

15:00 – 15:15 - Csaba Hegedűs – mitochondrium regulatory pathways

15:15 – 16:15 - Gabriella Emri – immunohistochemistry basics

16:15 – 16:30 - Visit to histopathology laboratory

Friday 3. 7.

9:00 – 12:00 Round table – Metallomics and skin cancer

12:00 – 12:30 Closing of meeting



Organizer committee

Department of Chemistry and Biochemistry, Faculty of Agronomy, Mendel University in Brno

Editors are not responsible for language correction. Contents of the contributions are the authors' responsibility.

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